

IN THE CLAIMS:

Cancel claims 1-19 without prejudice and replace them with new claims 20-39 as follows:

Claims 1-19 CANCELLED.

20. (NEW) A device carried on a moving vehicle for creating marking lines, which comprise a plurality of elements and are made of a highly viscous marking material, on a surface that is to be marked, comprising:

a housing formed by walls,

a discharge slot formed in at least one of the walls of the housing and extending transversely to a direction of movement of the vehicle, the discharge slot being limited in extent by a front discharge slot edge and a rear discharge slot edge, seen in the direction of movement of the vehicle,

a pressurized material supply line leading to an interior of the housing,

a rotatable hollow cylinder formed of a jacket located in the interior of the housing and arranged to rotate with the movement of the vehicle carrying the device,

the cylinder being provided with a plurality of passages through the jacket, which, depending on a rotary position of the cylinder, establish a connection between the pressurized material supply line and the discharge slot,

the rotary cylinder being positioned in the housing with an outer circumferential surface of its jacket spaced at a distance from the walls of the housing and essentially forming a sealing gap only in an area of the discharge slot edges.

21. (New) The device according to Claim 20, wherein at least one of the front and rear discharge slot edges comprise a closing slide.

22. (New) The device according to Claim 20, wherein only one discharge slot edge comprises a closing slide and the other discharge slot edge comprises a portion of the housing.

23. (New) The device according to Claim 20, wherein the rotary cylinder and the discharge slot edges are slidable relative to each other.

24. (New) The device according to Claim 23, wherein the rotary cylinder is slidable towards and away from the discharge slot edged, in a direction radial to the cylinder.

25. (New) The device according to Claim 23, wherein at least one of the discharge slot edges is slidable tangentially relative to the cylinder.

26. (New) The device according to Claim 20, wherein the passages in the rotary cylinder jacket which connect the interior of the housing with the discharge slot, depending on the rotary position of the rotary cylinder, comprise slots which extend parallel to an axis of the rotary cylinder.

27. (New) The device according to Claim 20, wherein the rotary cylinder is adjustably positionable in a direction perpendicular to an axis of the rotary cylinder to a selected position relative to the discharge slot edges.

28. (New) The device according to Claim 20, further including a drive ensuring a rotational driving of the rotary cylinder with a speed proportional to a speed of movement of the device relative to the surface.

29. (New) The device according to Claim 28, wherein the drive comprises a surface engaging wheel and a chain drive engaged between the wheel and the cylinder.

30. (New) The device according to Claim 29, wherein the drive further comprises a first chain wheel associated with the wheel and a second chain wheel associated with the cylinder, whereby a desired ratio of rotational speed of the wheel to rotational speed of the cylinder can be selected based upon a selected diameter of the first chain wheel and the second chain wheel.

31. A device carried on a moving vehicle for creating marking lines, which comprise a plurality of elements and are made of a highly viscous marking material, on a surface that is to be marked, comprising:

a housing formed by walls and having an interior space,

a discharge slot formed in at least one of the walls of the housing and extending transversely to a direction of movement of the vehicle, the discharge slot being limited in extent by a front discharge slot edge and a rear discharge slot edge, defined in accordance with a direction of movement of the vehicle,

a material supply line leading to the interior space of the housing,

a rotatable cylinder formed of a hollow jacket located in the interior space of the housing and arranged to rotate with the movement of the vehicle,

the cylinder having at least one passage through the jacket, which, depending on a rotary position of the cylinder, establishes a flow path between the pressurized material supply line and the discharge slot,

the rotatable cylinder being positioned in the housing with an outer circumferential surface of its jacket spaced at a distance from the walls of the housing and forming a sealing gap with the housing only in an area of the discharge slot edges.

32. (New) The device according to Claim 31, wherein both the front discharge slot edges and rear discharge slot edges comprise closing slides.

33. (New) The device according to Claim 31, wherein the rotary cylinder and the discharge slot edges are slidable relative to each other.

34. (New) The device according to Claim 33, wherein the rotary cylinder is slidable towards and away from the discharge slot edged, in a direction radial to the cylinder.

35. (New) The device according to Claim 33, wherein at least one of the discharge slot edges is slidable tangentially relative to the cylinder.

36. (New) The device according to Claim 31, wherein the passages in the rotary cylinder jacket which connect the interior of the housing with the discharge slot, depending on the rotary position of the rotary cylinder, comprise slots which extend parallel to an axis of the rotary cylinder.

37. (New) The device according to Claim 31, wherein the rotary cylinder is adjustably positionable in a direction perpendicular to an axis of the rotary cylinder to a selected position relative to the discharge slot edges.

38. (New) The device according to Claim 31, further including a drive ensuring a rotational driving of the rotary cylinder with a speed proportional to a speed of movement of the device relative to the surface.

39. (New) The device according to claim 38, wherein the drive comprises a surface engaging wheel and a chain drive engaged between the wheel and the cylinder.